5-STEP PROCESS FOR DEVELOPMENT OF NASA PREFERRED TECHNICAL STANDARDS

Stage 0	Stage 1	Stage 2	Stage 3	Stage 4	Stage 5
Proposal and Justifications to ESSC Members	Proposal Approval and Lead, Topic Working Group (TWG) Chair Assignment	Mini-Working Group Development	Full Center Review of Draft Standard	EMC Final Review, Conflict Resolution	NASA Chief Engineer Approval, Document Released
 Scope Documents to be Replaced Need, Benefits Existing Standards Non-Government Options Available Expertise Export Control Review 	 ESSC Review and Recommendations EMC Notified (Two Weeks) Lead Center Assigned Center Interest Solicited (Center Option) TWG Chair Named and Preliminary "P" Document Number Assigned Office of Primary Responsibility (OPR) Identified ESSC Provided 	 TWG Assigned Schedule Set Working Draft Developed Informal Review Solicited Working Draft Updated Resolution Matrix Developed and Issued To ESSC 	Export Control Review Draft to ESSC Chair to Get Full Center Review (Including Programs) ESSC Comments/ Concurrences to TWG TWG Draft Modifications Editing Matrix	ESSC and TWG Chair Present to EMC Issues Resolved by EMC and Chief Engineer Resolution to TWG for Final Adjustments Editing, Final Number Assigned Center Approval by EMC Members	 Chief Engineer Final Review/ Sign-off Document Released as NASA Engineering Standard Document Printed by MSFC OPR Provides Distribution, Maintenance of Standard

5-STEP PROCESS FOR DEVELOPMENT OF VOLUNTARY CONSENSUS (VCS) STANDARDS

Stage 0	Stage 1	Stage 2	Stage 3	Stage 4	Stage 5
Proposal and Justifications to ESSC Members	Proposal Approval and Lead, MTWG Chair Assignment	Mini-Topic Working Group Development	Full Center Review of Draft Standard	EMC Final Review, Conflict Resolution	NASA Chief Engineer Approval, List Release
Scope Documents to be Replaced Need, Benefits Existing Specifications, Standards VCS Options Available Expertise (Centers)	ESSC Review and Recommendations EMC Notified (Two Weeks) Lead Center Assigned Center Interest Solicited (Center Option) MTWG Chair Named and Preliminary "P" Document Number Assigned OPR Identified Status Provided to ESSC	MTWG Assigned Schedule Set Working Draft Developed Informal Review Solicited Working Draft Updated Resolution Matrix Developed and Issued To ESSC	Mature Society Draft Available. Draft to ESSC Chair, to Get Full Center Review (Including Programs) ESSC Comments/ Concurrences to MTWG MTWG Draft Suggested Modifications for NASA Points of Interest Society Draft	ESSC and MTWG Chair Present Draft and Issues to EMC Center Approve or Reject Position by EMC Members "Accept" Issues Resolved by EMC and Chief Engineer Society Response and Final Draft	Chief Engineer Final Review Chief Engineer Agreement and Volume List Issuance Document Adopted as NASA Preferred Standard OPR Cognizance

5-STEP PROCESS FOR ADOPTION OF EXISTING VOLUNTARY CONSENSUS (VCS) STANDARDS

Stage 0	Stage 1	Stage 2	Stage 3	Stage 4	Stage 5
Proposal and Justifications to ESSC Members	Proposal Approval and Lead Assignment	Interest Working Group	Full Center Review of Draft Standard	EMC Final Review, Conflict Resolution	NASA Chief Engineer Approval, List Release
 Scope Documents to be Replaced Existing Specifications, Standards VCS Options 	ESSC Review and Recommendations as Candidate for Adoption (Cursory Review) EMC Notified (Two Weeks) Lead Center Assigned Identify Candidate Lead and Office of Primary Responsibility (OPR) ESSC Provided Status	Lead Forms Interest Working Group Informal Review Solicited Issues (if any) Identified Resolution Matrix Developed/Issued To ESSC and EMC Members with Matrix and Status	Draft to ESSC Chair to Get Full Center Review (Including Programs) Accept or Reject Position by ESSC Members of Interested Centers (Majority Rules) ESSC Member Report to Respective EMC Member Center Approvals ESSC Record Non-Concurrence	Lead and ESSC Chair Present to EMC EMC Final Approval or Disapproval	Chief Engineer Final Review/ Concurrence for Use as "Adopted" NASA Preferred Standard Document Adopted as Preferred NASA Technical Standard List Issued OPR Cognizance

3-STEP PROCESS FOR ADOPTION OF ACQUISITION STANDARDS

Stage 1	Stage 2	Stage 3	
Submittal of Proposed Acquisition Standards	Proposal Approval and Lead Assignment	ESSC Approval, EMC Approval, Chief Engineer (C.E.) Approval	
 Intent Known NASA Users Copy of Standard Similar Standard by other Organizations 	ESSC Members Prescreen and Recommend as Candidates for Adoption Identify Candidate Office of Primary Responsibility (OPR) Solicit Interest/ Comments from Centers/Discipline Working Groups Consensus Recommendations (Majority Rules)	ESSC Review and Recommendations EMC Review and Recommendations C.E. Review; Acceptance or Rejection	